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SUB CODE: 07 / SUBM DATE: 02Jun65 / ORIG REF: 007

Card 2/2 vmb

VASIL'YEV, N.S.; KASIMOV, V.I.; KALININ, G.A.; KUVAKIN, V.P.; MEDVEDEV, A.P.;
FAYVILEVICH, Ya.A.; KHRIPUNOV, V.P.; YERMAKOV, D.A., redaktor;
NEMOV, A.P., redaktor; OSTROVSKIY, Ya.M., redaktor; BEL'SKAYA, D.D.,
redaktor; FRIDKIN, A.M., tekhnicheskij redaktor

[Experience in operating the Kashira Hydroelectric Power Station]
Opyt ekspluatatsii Kashirskoi GRES. Moskva, Gos. energ. izd-vo,
1956. 179 p. (MIRA 9:9)
(Kashira Hydroelectric Power Station)

CHIRKOV, N.A.; BUDNIKOV, I.D.; MEDVEDEV, A.P.; RISPEN, K.V.

Production of 5KhNV steel with the use of silicothermic and
complex tungsten-containing briquets. Stal' 45 no.39/28-
230 Mr '65. (MIRA 1964)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii
i Chelyabinskiy stankostroitel'nyy zavod.

MEDVEDEV, A.S.

Device for spherical turning. Stan.1 instr. 24 no.12:33-34 D '53.
(MIRA 7:1)
(Lathes)

MEDVEDEV, A. S.

A. Ya. Krems, G.G. Grigor'yev and A.S. Medvedev "The experimental application of geochemical methods of prospecting on the territory of the province of Timano-Pechorsk which is rich in mineral oil and natural gas"

report presented at a Conference in the Dept. of Geological and Geographical Sci., on Geochemical and Radiostrical Methods of Search and Prospecting for Deposits, 21-26 April 1958.
(Vest. Ak Nauk SSSR, 1958, No. 7, pp. 125-26)

MEDVEDEV, A.S.; YERMINA, A.S.; BELEN'KAYA, B.I.

Hygienic neutralization of diphtheria bacteria carriers by
means of antibiotics. Zdrav. Turk. 4 no. 2:11-12 Mr-Apr '60.
(MIRA 13:10)

1. Iz kafedry infektsionnykh bolezney (zav. -- dotsent A.S.
Medvedev) Turkmenskogo gosudarstvennogo meditsinskogo instituta
im. I.V. Stalina.
(DIPHTHERIA) (ANTIBIOTICS)

MEDVEDEV, A.S.; GLADKIKH, A.T.

Treatment of infectious hepatitis in pregnant women. Zdrav. Turk.
4 no.5:32-33 9-0 '60. (MIRA 13:12)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent A.S.Medvedev).
Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.
Stalina.

(HEPATITIS, INFECTIOUS)

(PREGNANCY, COMPLICATIONS OF)

MEDVEDEV, A.S.; MIZGIREVA, M.F.; RUSAKOVA, L.V.

Clinical course of bacillary dysentery complicated by protozoa infestation. Zdrav. Turk. 5 no.3:7-10 My-Je '61. (MIRA 14:10)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent A.S.Medvedev) Turkmenenskogo gosudarstvennogo meditsinskogo instituta imeni Stalina i Ashkhabadskogo instituta epidemiologii i gigiyeny (dir. - dotsent Ye.S.Popova).

(DYSENTERY)

(AMEBIASIS)

MEDVEDEV, A.S.; YERMINA, A.S.

Treatment of Botkin's disease. Zdrav.Turk. 6 no.4:26-28 J1-Ag '62.

(MIRA 15:8)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent A.S.Medvedev)

Turkmenskogo gosudarstvennogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS)

MEDVEDEV, A.S.; LISHANINA, N.Ye.; LEBEDEVA, A.I.

Clinical and epidemiological characteristics of diphtheria
in Ashkhabad. Zdrav. Turk. 8 no.2:24-26 F'64

(MIRA 17:4)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent A.S.
Medvedev) Turkmenskogo gosudarstvennogo meditsinskogo insti-
tuta i Ashkhabadskoy gorodskoy infektsionnoy bol'nitsy No.1
(glavnyy vrach A.I.Lebedeva).

MEDVEDEV, A.S.

Lotsmanov, S.N. and Medvedev, A.S. "Research on soldering stainless steel with soft solder," Kislod, 1948, No. 5, p. 37-41 - Bibliog: 8 items

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

MEDVEDEV, A. S.

USSR/Engineering - Steel, Stainless Solders

Jan 50

"Soldering Stainless Steels With Soft Solders," S. N. Lotmanov, A. S. Medvedev,
Engineers, 3 pp

"Avtogen Delo" No 1

Describes procedure of soft soldering, fluxes, and solders and concludes self soldering process for stainless steels is developed to stage where it may be recommended for industrial application. Two types of fluxes, acid and anticorrosive, are in use now. Optimum soldering temperature for both fluxes is 280-320°. At this range, best solder fluidity and highest strength of soldered joints may be obtained. Acid flux withstands overheating to 500°, and anticorrosive flux cannot be heated over 350°.

PA 160T16

MEDVEDEV, A.S.
MEDVEDEV, A.S.

Characteristics of tin and tin-lead solders at low temperatures.
TSvet.met. 27 no.2:52-60 Mr-Ap '54. (MIRA 10:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kislородnogo
mashinostroyeniya.
(Solder and soldering) (Tin) (Metals at low temperatures)

MEDVEDEV, A. S.

FD-3364

SSR/Chemistry - Corrosion

ard 1/1

Pub. 50 - 8/20

uthor

: Medvedev, A. S.

itle

: Investigation of the corrosion of soft solder in air separation equipment

eriodical

: Khim. prom. No 7, 414-419, Oct-Nov 1955

bstract

: Tested the corrosion resistance of copper steel, and brass samples soldered with POS-40, POS-30, and POS-18 tin-lead alloys. Conditions encountered in liquid air separation equipment were simulated. Found that the zinc chloride used as a flux expedited corrosion and that the degree of corrosion could be reduced by treatment with potassium bichromate. Three figures, one graph, 3 tables.

stitution

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ubmitted

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MEDVEDEV, A.S.

1-4E2C

Ageing of Tin-Lead Solders and Joints Soldered by Them. A.S. Medvedev (Metallovedeniye i Obrabotka Metallov, 1956, (7), 16-23). [In Russian]. M. studied the ageing of three standard solders, POS 40, POS 30, and POS 18; from their location on the ternary equilibrium diagram, they contain 40, 30, and 18% Sn, resp. + 2% Sb each, so that in the as-cast condition the microstructure shows Pb-Sn eutectic and partly decomposed Pb-rich solid soln. Room-temp. ageing of specimens cast in metal moulds was followed by detn. of the Brinell hardness, H_B (250 kg., 10 mm., 60 sec.), 2 hr. after casting $H_B = 13.9, 13.3, 13.6$, resp., but after 9300 hr. the values were 10.5, 11.0, 10.1, resp. As a comparison, H_B for the Pb-Sn eutectic, Pb-30% Sn, and Pb-15% Sn decreased from 14.5 to 9.2 (14,260 hr.), from 12.4 to 9.7, and from 11.9 to 10.1, resp. The greatest change in hardness occurred 20-500 hr. after casting, the value becoming stabilized after 300 days. In some cases (notably the eutectic) an increase in hardness was observed during the first few hr. (max. value 16.4). Tabulated data show that, except in the case of POS 18, all these alloys exhibited a reduction in strength, some increase in plasticity, and practically no change in impact strength, after 450 hr. ageing. POS 18 showed an increase in plasticity and impact strength, attributable to partial re-soln. of precipitated Sb and to coagulation of the ternary eutectic. The microhardness (10-g. load) of both solid soln. and eutectic decreased continuously during the ageing of the three alloys. Lap joints in Cu, brass, and steel, using each of the three solders with 40% ZnCl₂ soln. as flux, were prepared and allowed to age naturally. The reductions in U.T.S. of the joints were: POS 40 (after 435 days), Cu 13, brass 18, steel 16-17%; POS 30 (after 300 days), Cu 11, brass 4, steel 9-22%; POS 18 (after 280 days),

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MEDVEDEV, A. S.

3
14E20

Cu 5, brass 11, steel 9%. No visible changes in microstructure were observed during room-temp. ageing of the solders, but after 200 hr. at 170° C. the eutectic had coagulated into isolated spheroids and the solid soln. formed a continuous matrix. Ageing at 170° C. caused a further fall in U.T.S. in comparison with natural ageing.

Ageing of soldered joints in Cu or brass at ~100° C. led to coagulation of microstructural constituents, dissolution of Cu, and a marked growth of the layer of brittle Cu₃Sn, so for service at >100° C. Sn-free solders should be used. The impact strength and plasticity at low temp. are increased by elevated-temp. ageing, but room-temp. ageing has little effect.—G. V. E. T.

3/4

105

137-58-1-1191D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 160 (USSR)

AUTHOR: ~~Medvedev, A. S.~~

TITLE: Properties of Tin-lead Soldered Bonds, and Certain Problems of the Welding of Air-fractionating Apparatus (Svoystva soyedineniy, payannykh olovyanosvintsovymi pripoyami, i nekotoryye voprosy payki vozdukhorazdelitel'nykh apparatov)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the In-t metallurgii AN SSSR (Institute of Metallurgy, Academy of Sciences, USSR), Moscow, 1957

ASSOCIATION: In-t metallurgii, AN SSSR (Institute of Metallurgy, Academy of Sciences, USSR), Moscow

1. Soldering alloys—Properties 2. Fractionation apparatus
—Welding

Card 1/1

MEDVEDEV, A.S., kand. tekhn. nauk

Corrosion of air separation apparatus made from aluminum and
its alloys. Trudy VNIKIIMASH no.5:134-142 '62. (MIRA 18:3)

MEDVEDEV, A.T.

Closed horizontal drainage in populated areas of the Golodnaya Steppe.
Sbor.nauch.trud.TashNIIS no.5:88-93 '63. (MIRA 18:1)

SOV/86-58-11-32/37

AUTHOR: Semakin, V. I., Lt Col, and Medvedev, A. V., Maj

TITLE: More on the Arrangement of Flight-Navigational Instruments (Yeshche raz o komponovke pilotazhno-navigatsionnykh priborov)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 11, p 88 (USSR)

ABSTRACT: The authors suggest that few changes in the arrangement of flight-navigational instruments on the instrument panel of a fighter airplane should be made in addition to those recommended by LtCol V.V. Markin in his article, "The Arrangement of Flight-Navigational Instruments Should Be Changed" (the article was published in issue Nr 9 of this periodical in 1958). One photo.

Card 1/1

SOL'VAR, A.V.; MEDVEDEV, A.V.; SOROKIN, A.F.

Measures for improving the operation of flotation section. Dokl.
i khim. no.9:24-27 '61. (MIRA 15:1)

1. ~~Magnitogorskiy metallurgicheskiy kombinat~~ (for Sol'var, Medvedev).
(Magnitogorsk--Coal preparation plants--Equipment and supplies)

SEMENOV, I.A.; MEDVEDEV, A.V.; SOL'VAR, A.V.

Automation of the process of coal slurry flotation. Koks i
khim. no.10:6-13 '63. (MIRA 16:11)

1. Institut goryuchikh iskopayemykh AN SSSR (for Semenov).
2. Magnitogorskiy metallurgicheskiy kombinat (for Medvedev, Sol'var).

MEDVEDEV, A.V.; BRILLOV, V.V.; SEMENOV, I.A.

Preparation of a flotation concentrate prior to devolatilizing
at the coal preparation plant in the Magnitogorsk Metallurgical
Combine. Ugol' 40 no.11:63-66 '65. (MIRA 18:1)

MEDVEDEV, A. Ya.

Min Higher Education USSR. Kazan' Veterinary Inst imeni N. E. Bauman

MEDVEDEV, A. Ya.* "The development of zoohygienic measures to prevent the reduction in the milk yield of cows when changing milkers." Min Higher Education USSR. Kazan' Veterinary Inst imeni N. E. Bauman. Kazan', 1955.

(Dissertation for the Degree of Candidate in Veterinary Sciences)

SO: Knizhnaya Letopis', No. 20, 1956.

MEDVEDEV, A.Ya.

Deformations and stresses in bases of rigid structures caused
by vertical and horizontal loads. Sbor.trud.NIIOSP no.34:86-122
'58. (MIRA 12:1)

(Soil mechanics) (Hydraulic engineering)

MEDVEDEV, A.Ya.

Model studies on the deformation of foundations of rigid structures
under conditions of a plane problem. [Trudy] NIIOSP no.43:64-72
'61. (MIRA 14:7)

(Foundations)

MEDVEDEV, A. Ya.										PROCESSES AND PROPERTIES INDEX									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
CA Toxicity of soveaine and its decrease following pre-dosage with glucose. A. Ya. Medvedev. <i>Farmakol. i Toksikol.</i> 9, No. 1, 38-42(1966). Simultaneous administration of glucose (I) raises instead of lowering the toxicity of soveaine (II). In tests with dogs the most effective pre-dosage with I was 0.25 g./kg., given subcutaneously in 5 or 10% soln. 30 min. before injecting II. Toxicity of II is greatly lessened by this method. The lethal dose of II is not 0.0050 g./kg. as has been reported; properly administered, II kills dogs at 0.02 g./kg. and cats at 0.143 g./kg. Rapid intravenous injection of II (0.1% soln.) in rabbits often causes sudden death by respiratory paralysis, whereas slow injection of the same dose is safe. These expts. offer a basis for clinical expts. in the use of I to diminish the toxicity of II. Julian E. Smith										114									
Obstet. Gynecol. Clinic + Pharmacology, Kazakh Rep. Med. Inst. im. Molotov, Alma-Ata																			
ASS. S. A. METALLURGICAL LITERATURE CLASSIFICATION																			
EXORD 1110211M										EXORD 1110211M									
EXORD 1110211M										EXORD 1110211M									

MEDVEDEV, A. Ya.

24466

MEDVEDEV, A. Ya. Udalenie zaderzhavshikhsya chasto posleda v poslerolovon
periode. Zdravookhraneniye Kazakhstana, 1949, No. 3, S. 24-27.

SO: Letopis, No. 32, 1949.

MEDVDEV, A.Ya., kand.med.nauk (g. Bukus).

Simple apparatus for ether anesthesia with moistened oxygen.

Akush. 1 gin. 34 no.5:106-107 S-O '58

(MIRA 11:10)

(ANESTHESIA, INHALATION, appar. & instruments

appar. for ether admin. with moistened oxygen (Rus))

MEDVEDEV, A.Ya.

Components of stresses in foundations of a rigid structure subjected to the action of vertical and horizontal pressures and applied moments; plane problem. [Trudy]NII osn. no.53:12-18 '63. (MIRA 17:1)

MEDVEDEV, A.Ya., kand. med. nauk

Antishock fluid. Akush. i gin. 39 no.5:123-125 S-O '63.

(MIRA 17:8)

1. Iz rodil'nogo otdeleniya Kashka-Dar'inskoy oblastnoy
bol'nitsy Uzbekskoy SSR (glavnyy vrach V.D. Predel'skiy),
Nukusskogo onkologicheskogo dispansera (glavnyy vrach B.N.
Nurov) i Gur'yevskogo rodil'nogo doma (glavnyy vrach A.Ya.
Medvedev).

MEDVEDEV, A.Z.

Experience of the Novotavolzhanka Sugar Factory in in-
creasing daily output. Sakh.prom. 34 no.8:41-45
Ag '60. (MIRA 13:8)

1. Novo-Tavolzhanskiy sakhar'nyy zavod.
(Novotavolzhanka--Sugar manufacture)

MEDVEDEV, A.Z.

How to improve the removal of heavy dirt and stones from beets.
Sakh. prom. 35 no. 1:38-41 Ja '61. (MIRA 14:1)

1. Kurskiy filial Giprosakhara.
(Sugar beets)

21(8)

AUTHORS:

Sklyarevskiy, V. V., Stepanov, Ye. P., SOV/56-36-1-52/62
Medvedev, B. A.

TITLE:

The X-Ray K-Radiation of the Fragments of Fission and the Charge Distribution of Fragments (Rentgenovskoye K-izlucheniye oskolkov deleniya i raspredeleniye oskolkov po zaryadam)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 1, pp 326-328 (USSR)

ABSTRACT:

The present paper deals with new measurements of the spectrum of the soft γ -rays produced in the fission of U^{235} . On the basis of the results obtained by these measurements, the widths of the distribution of heavy and light fragments over the charges were then estimated. The experimental system consisted of an ionization chamber with a layer of U^{235} (which was subjected to the action of a beam of thermal neutrons of the RFT reactor of the AS USSR) and of a xenon-proportional counter for recording γ -rays. A diagram shows the spectrum of the γ -rays in the fission of U^{235} within the energy range of 10-50 kev. The spectrum contains two intense non-monochromatic lines, the maxima of

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The X-Ray K-Radiation of the Fragments of Fission
and the Charge Distribution of Fragments

SOV/56-36-1-52/62

which correspond to the energies (16 ± 1) and (31 ± 1.5) kev; the half-widths amount to 35 and 22% respectively. These lines undoubtedly belong to the X-ray K-radiation of the fragments of the light and heavy groups. The energy distribution $W(E)$ of the X-ray K-radiation of the fragments is apparently connected with the charge distribution $W(Z)$ of the fragments. On the basis of the results obtained it is therefore possible to estimate the widths of $W(Z)$. In this connection it may be assumed that the distributions $W(E)$ and $W(Z)$ are Gaussian curves with the total widths σ_E and σ_Z at half the height of the line. The values of σ_Z/Z_0 are $(14.5 \pm 3)\%$ and $(8.5 \pm 1.5)\%$ for the light and for the heavy group of fragments respectively. Here $\sigma_Z/Z_0 = \sigma_E/2E_0$ holds, and the energies E_0 correspond to the positions of distribution maxima with respect to E . The values obtained here for the width of the distribution of fragments over the charges are only approximated values. The intensity of the line with the energy of 16 kev amounted to 0.10 ± 0.03 quanta per fission. The authors thank

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The X-Ray K-Radiation of the Fragments of Fission
and the Charge Distribution of Fragments

SOV/56-36-1-52/62

V. M. Strutinskiy for some valuable advice. There are
1 figure and 4 Soviet references.

SUBMITTED: September 13, 1958

Card 3/3

VEDVEDEV, B.A.; MYGKOV, V.A., redaktor; GORYUNOVA, P.K., redaktor izdatel'stva;
SHITS, V.P., tekhnicheskiiy redaktor

[Manual on rolling friction bearings used in lumbering equipment]
Spravochnik po podshipnikam kacheniia lesozagotovitel'nogo oborudovaniia. Moskva, Goslesbumizdat, 1956. 95 p. (MLRA 9:12)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti
Tsentral'noye tyuro tekhnicheskoy informatsii.
(Bearings (Machinery)) (Lumbering--Machinery)

MEDVEDEV, Bentsian Abramovich; PLESKO, Ye.P., red.; BACHURINA, A.M.,
tekh.n.red.

[Antifriction bearings for lumbering machinery and mechanisms;
handbook] Podshipniki kacheniiia lesozagotovitel'nykh mashin i
mekhanizmov; spravochnik. Moskva, Goslesbumizdat, 1959. 163 p.
(Bearings (Machinery)--Handbooks, manuals, etc.)

MEDVEDEV, B. A., CAND AGR SCI, "SYSTEM OF AGROECONOMICAL
examination
~~INSPECTION~~ OF A TERRITORY UNDER THE INTRAECONOMIC LAND OR-
GANIZATION OF KOLKHOZES, UNDER CONDITIONS OF *the* BELORUSSIAN
SSR." MINSK, 1960. (ACAD OF AGR SCI BSSR, BELORUSSIAN
Sci ~~ALL~~ SCI RES INST OF *Agri* ~~FARMING~~). (KL, 3-61, 226).

MASHKOVSKIY, M.D.; MEDVEDEV, B.A.

Problem of the effect of aminasine on skeletal muscles and on neuromuscular conductivity. Biul.eksp.biol. i med. 41 no.4: 50-53 Ap '56. (MIRA 9:8)

1. Iz otdela farmakologii (zav. prof. M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze, Moskva, Predstavlena dystvitel'nym chlenom AMN SSSR V.I.Skvortsovy

(CHLORPROMAZINE, effects,
on musc. & neuromusc. conductivity in rabbits (Rus))
(MUSCLES, effects of drugs on,
chlorpromazine, on musc. & neuromusc. conductivity in rabbits (Rus))
(MYONEURAL JUNCTION, effect of drugs on,
chlorpromazine (Rus))

USSR / Pharmacology, Toxicology. Tranquillizers. V

Abs Jour: Ref Zhur Biol., No 9, 1958, 42286.

Author : ~~Medvedev, B. A.~~

Inst : Not Given.

Title : The Effect of Aminazine (chlorpromazine) and Dipro-
zine on Viscero-visceral Reflexes.

Orig Pub: Byul. eksperim. biol. i meditsiny, 1957, 43, No 4,
58-72.

Abstract: Intravenous injection of Aminazine (I) in doses
of 10 γ /kg-3 mg/kg, in cats, under conditions of
deep anesthesia, led to weakening or complete sup-
pression of the vasopressor reflex, following
stimulation of the interoreceptors of the urinary
bladder, small and large intestines, of the baro-
receptors of the carotid sinus and stimulation of
the sciatic nerve. Diprozone exhibited a similar

Card 1/2 *Dept. Pharmacology, A U Sci Res Chem. Pharm.
Inst. in S. Ordzhonikidze*

. USSR/Pharmacology - Toxicology - Tranquilizers.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18589

Author : Mashkovskiy, M.D., Medvedev, B.A.

Inst : -

Title : Nitranole- a Preparation which Dilates the Coronary Vessels

Orig Pub : Med. prom-st' SSSR, 1958¹², No 4, 56-57

Abstract : Nitranole (I; phosphate of triethanolamine trinitrite) is near in chemical structure to nitroglycerine (II). I dilates the heart vessels of the rabbit by 34-50%, while II dilates them by 26-42%. The duration of the action of I is 15-7 min, of II 9-6 min. Analogous action of I was observed in experimental atherosclerosis. Intravenous introduction of 1-10 mg/kg of I induced short hypotension of 10-30 mm of mercury column. II induces a stronger hypotensive action. In experiments on mice in peroral introduction of I, DL₅₀ equals 325 mg/kg. Clinical tests were conducted on 500 patients with stenocardia.

Card 1/2

. USSR/Pharmacology - Toxicology - Tranquilizers.

Abs Jour : -

V

MASHKOVSKIY, M.D.; MEDVEDEV, B.A.

Pharmacological properties of symmetric bis-quaternary 9-methyl-3,9-diazabicyclo-(3,3,1)-nonane derivatives. Farm. i toks. 23 no. 6: 493-499 N-D '60. (MIRA 14:3)

1. Otdel farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.
(BICYCLONONANE) (AUTONOMIC DRUGS)

MASHKOVSKIY, M.D.; MEDVEDEV, B.A.

Comparison of the ganglionic-blocking and curarelike effect of
3,4-dithiahexane-1,6-bis-trimethylammonium diiodide and hexonium.
Biul. eksp. biol. i med. 49 no. 4:66-70 Sp '60. (MIRA 13:10)

1. Iz laboratorii farmakologii (zav. - prof., M.D. Mashkovskiy)
Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo
instituta imeni S. Ordzhonikidze, Moskva.
(AUTONOMIC DRUGS)

MEDVEDEV, B.A.

Oksazil, a preparation for treating myasthenia and other movement disorders. Med.prom. 16 no.5:54-56 My '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(MOVEMENT DISORDERS) (OXAMIDE)

MEDVEDEV, B.A.; ROZINOYER, A.I.

Overall mechanization of box car repair in the repair shops, Bel.
dor. transp. 47 no.3:45-49 Mr '65. (MISA 13:5)

1. Nachal'nik vagonnoy sluzhby Donetskoy dorogi, stantsiya
Ilovayskaya (for Medvedev). 2. Glavnyy inzh. vagonnogo depo
Ilovayskoye, stantsiya Ilovayskaya (for Rozinoyer).

MASHKOVSKIY, M.D.; MEDVEDEV, B.A.

Nitranol and other new esters of nitric acid as coronary vasodilators. Khim. i med. no.16:5-11 '61. (MIRA 17:8)

MEDVEDEV, B.A., inzh.

When are we going to put an end to the damaging of freight cars? Zhel. dor. transp. 45 no. 4:46-48 Ap '63.
(MIRA 16:4)

1. Nachal'nik sluzhby vagonnogo khozyaystva Donetskoy dorogi,
Donetsk.

(Railroads—Freight cars)

MEDVEDEV, B.I.; SMIRNOV, Yu.M.

Stabilization of the instantaneous speed of a synchronous motor.

Izv.vys.ucheb.zav.; prib. 3 no.2:23-29 '60. (MIRA 14:4)

1. Moskovskoye ordena Lenina i ordena Trudovogo Krasnogo Znameni
vyssheye tekhnicheskoye uchilishche imeni Baumana. Rekomendovana
kafedroy schetno-reshayushchikh priborov.

(Electric motors, Synchronous)

MEDVEDEV, B.I., inzhener.

Problem of calculating heat decrease in mine ventilation. Ugol' 29
no.10:16-18 0 '54. (MLRA 7:11)

1. Donetskii industrial'nyy institut.
(Mine ventilation)

MEDVEDEV, B.I., kandidat tekhnicheskikh nauk.

V. F. Smirnov's article "Some possible uses of radioactive isotopes in the coal industry." Ugol' 31 no.10:37 0 '56. (MLRA 9:11)

1. Donetskii industrial'nyi institut.
(Coal mines and mining) (Radioisotopes--Industrial applications)

MEDVEDEV, B.I.
BELOV, V.I., doktor tekhnicheskikh nauk; MEDVEDEV, B.I., kandidat tekhnicheskikh nauk.

Air temperature in longwalls as a factor limiting the length of longwalls. Bezop. truda v prom. 1 no.4:27-29 Ap '57. (MIRA 10:6)

1. Donetskiiy industrial'nyy institut im. N.S. Khrushcheva.
(Coal mines and mining)

ZHIZLOV, N.I., kand.tekhn.nauk, nauchnyy rabotnik; ZBORSHCHIK, M.P., inzh.;
nauchnyy rabotnik; ZEMLYANSKIY, L.V., inzh., nauchnyy rabotnik;
KOREPANOV, K.A., kand.tekhn.nauk, nauchnyy rabotnik; MALOV, V.P.,
kand.tekhn.nauk, nauchnyy rabotnik; MEDVEDEV, B.I., kand.tekhn.
nauk, nauchnyy rabotnik; NOVITSKIY, A.M., kand.tekhn.nauk,
nauchnyy rabotnik; PROKOF'YEV, V.P., nauchnyy rabotnik; SAPITSKIY,
K.F., kand.tekhn.nauk, nauchnyy rabotnik; YAKUSHEVSKIY, A.Yu.,
kand.tekh.nauk, nauchnyy rabotnik; LIPKOVICH, S.M., dotsent, red.;
SHUSHKOVSKAYA, Ye.L., red.izd.; BERESLAVSKAYA, L.Sh., tekhn.red.;
ALADOVA, Ye.I., tekhn.red.

[Working gently sloping seams at great depths] Razrabotka pologo-
padaiushchikh plastov na bol'shikh glubinakh. Pod obshchei red.
S.M.Lipkovicha. Moskva, Ugletekhizdat, 1958. 209 p. (MIRA 12:2)

1. Stalino. Donetskiy industrial'nyy institut. 2. Donetskiy
industrial'nyy institut (for all except Lipkovich, Shushkovskaya,
Bereslavskaya, Aladova)

(Coal mines and mining)

LEYBOV, R.M., prof., doktor tekhn. nauk, red.; OGLOBLIN, D.N.,
prof., doktor tekhn. nauk, red.; NAYDYSH, A.M., prof.,
red.; KSEOFONTOVA, A.I., prof., red.; MEDVEDEV, B.I.,
dots., red.; TARANOV, P.Ya., dots., red.; LEYUOV, R.M.,
prof., red.; SHTOKMAN, I.G., prof., red.; POLESIN, Ya.L.,
otv. red.; YEROKHIN, G.M., tekhn. red.

[Safety measures in the coal industry] Tekhnika bezopas-
nosti v ugol'noi promyshlennosti. Moskva, Gosgortekhzdat,
1963. 317 p. (MIRA 16:12)

1. Donetskii politekhnicheskii institut (for Taranov,
Shtokman).
(Coal mines and mining—Safety measures)

ABRAMOV, F.A.; MEDVEDEV, B.I.

Variable thermal calculations of deep mines. Izv. AN SSSR.

Met. i gor. delo no.6, 170-178 N-D '64. (MIRA 18:3)

MEDEVAC, B. 1., 1961-1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2

Improving method of water infusion into coal seams is a matter of the engineering control. (Moffat, 1990, 12:39-41)

1. 1966-1967 1968-1969 1970-1971 1972-1973 1974-1975 1976-1977 1978-1979 1980-1981 1982-1983 1984-1985 1986-1987 1988-1989 1990-1991 1992-1993 1994-1995 1996-1997 1998-1999 2000-2001 2002-2003 2004-2005 2006-2007 2008-2009 2010-2011 2012-2013 2014-2015 2016-2017 2018-2019 2020-2021 2022-2023 2024-2025 2026-2027 2028-2029 2030-2031 2032-2033 2034-2035 2036-2037 2038-2039 2040-2041 2042-2043 2044-2045 2046-2047 2048-2049 2050-2051 2052-2053 2054-2055 2056-2057 2058-2059 2060-2061 2062-2063 2064-2065 2066-2067 2068-2069 2070-2071 2072-2073 2074-2075 2076-2077 2078-2079 2080-2081 2082-2083 2084-2085 2086-2087 2088-2089 2090-2091 2092-2093 2094-2095 2096-2097 2098-2099 2100-2101 2102-2103 2104-2105 2106-2107 2108-2109 2110-2111 2112-2113 2114-2115 2116-2117 2118-2119 2120-2121 2122-2123 2124-2125 2126-2127 2128-2129 2130-2131 2132-2133 2134-2135 2136-2137 2138-2139 2140-2141 2142-2143 2144-2145 2146-2147 2148-2149 2150-2151 2152-2153 2154-2155 2156-2157 2158-2159 2160-2161 2162-2163 2164-2165 2166-2167 2168-2169 2170-2171 2172-2173 2174-2175 2176-2177 2178-2179 2180-2181 2182-2183 2184-2185 2186-2187 2188-2189 2190-2191 2192-2193 2194-2195 2196-2197 2198-2199 2200-2201 2202-2203 2204-2205 2206-2207 2208-2209 2210-2211 2212-2213 2214-2215 2216-2217 2218-2219 2220-2221 2222-2223 2224-2225 2226-2227 2228-2229 2230-2231 2232-2233 2234-2235 2236-2237 2238-2239 2240-2241 2242-2243 2244-2245 2246-2247 2248-2249 2250-2251 2252-2253 2254-2255 2256-2257 2258-2259 2260-2261 2262-2263 2264-2265 2266-2267 2268-2269 2270-2271 2272-2273 2274-2275 2276-2277 2278-2279 2280-2281 2282-2283 2284-2285 2286-2287 2288-2289 2290-2291 2292-2293 2294-2295 2296-2297 2298-2299 2300-2301 2302-2303 2304-2305 2306-2307 2308-2309 2310-2311 2312-2313 2314-2315 2316-2317 2318-2319 2320-2321 2322-2323 2324-2325 2326-2327 2328-2329 2330-2331 2332-2333 2334-2335 2336-2337 2338-2339 2340-2341 2342-2343 2344-2345 2346-2347 2348-2349 2350-2351 2352-2353 2354-2355 2356-2357 2358-2359 2360-2361 2362-2363 2364-2365 2366-2367 2368-2369 2370-2371 2372-2373 2374-2375 2376-2377 2378-2379 2380-2381 2382-2383 2384-2385 2386-2387 2388-2389 2390-2391 2392-2393 2394-2395 2396-2397 2398-2399 2400-2401 2402-2403 2404-2405 2406-2407 2408-2409 2410-2411 2412-2413 2414-2415 2416-2417 2418-2419 2420-2421 2422-2423 2424-2425 2426-2427 2428-2429 2430-2431 2432-2433 2434-2435 2436-2437 2438-2439 2440-2441 2442-2443 2444-2445 2446-2447 2448-2449 2450-2451 2452-2453 2454-2455 2456-2457 2458-2459 2460-2461 2462-2463 2464-2465 2466-2467 2468-2469 2470-2471 2472-2473 2474-2475 2476-2477 2478-2479 2480-2481 2482-2483 2484-2485 2486-2487 2488-2489 2490-2491 2492-2493 2494-2495 2496-2497 2498-2499 2500-2501 2502-2503 2504-2505 2506-2507 2508-2509 2510-2511

SAMBORSKAYA, Ye.P.; MEDVEDEV, B.M.

Effect of antithyroid substances on absorption. *Fiziol.zhur.* [Ukr.]
2 no.5:113-117 S-O '56. (MIRA 10:1)

1. Odes'kiy sil's'kogospodars'kiy institut, kafedra fiziologii ta
Kiivs'kiy institut fizichnoi kul'turi, kafedra fiziologii.
(ABSORPTION (PHYSIOLOGY)) (URACIL)

18.1285
1.1310

31422
S/182/62/000/003/003/006
DC40/0113

AUTHORS: Sorokin, S. Ya., and Medvedev, B.P.

TITLE: Deep extrusion of parts made of titanium and its alloy.

PERIODICAL: Kuznechno-shtampovoye proizvodstvo, no. 3, 1961, 14-17

TEXT: The article contains brief general information on the physical and mechanical properties of Ti and Ti alloys, and technical recommendations for the deep extrusion of **BT** 1-1 (VT1-1) and **OT** 4 (OT-4) alloys. These two alloys and **BT** 1-2 (VT1-2) are used for containers, streamlined casings, platings, and shaped elements. Recommendations are given after studying the behavior of VT1-1 and OT-4 alloys in extrusion at 50-650°C. It is stated that the extrusion factor (K), can be raised mainly by reducing the deformation resistance of the flange of the stampings and by increasing the wall strength in the critical spot, which can be achieved by heating the flange and cooling the walls and the bottom of the stampings. The experimental design providing these conditions is shown (Fig. 1). The maximum extrusion

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Deep extrusion ...

3/198/62/566/567/568/569
DO40/D113

factor reached in cold extrusion of VT1-1 and OT-4 alloys was 1.8±0.0 and 1.4±1.5, respectively. $K=2.6$ was reached in extruding OT-4 at 500-550°C. The article includes tables of the mechanical properties of the alloys and their variations with temperature, and graphs showing the wall thickness at different extrusion factors, the dependence of K on temperature, and the hardening of the walls of stampings at different K values. Annealing is obligatory to remove residual stresses. The annealing schedule for the VT1-1 alloy after the last stamping operation is: (a) Heating to 500-550°C; (b) up to 1.0 mm thick metal soaked at this temperature for 10-15 min, 1.0-3.0 mm thick metal for 15-20 min, 3.0-4.0 mm thick metal for 35-45 min; cooling in air. Intermediate annealing for removing the hardening: Heating to 530-600°C, soaking at this temperature for 10-15 min per 1 mm billet thickness. For OT-4 the intermediate annealing temperature is 600-650°C and the soaking time 10-15 min per 1 mm thickness; ready stampings must be annealed at 550-650°C to remove residual stresses; soaking time is 10-30 min, depending on thickness. In cold stamping, the annealing temperature must be nearer to the upper limit, and in hot stamping it must be nearer to the lower limit. Lower annealing temperature and shorter soaking time will not

Card 2/A

Deep extrusion ...

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fully eliminate the hardening. Electric furnaces with forced air circulation must be used for annealing, to prevent uneven heating. Heat treatment furnaces have to be electric and fitted with automatic temperature regulation systems, preventing temperature deviations of more than $\pm 5 \div 10^{\circ}\text{C}$. The temperature gradient throughout the furnace must not exceed $\pm 10^{\circ}\text{C}$. In the case of drop forging or multi-operation stamping, repeated heatings for 1.5-2.0 hours do not spoil the mechanical properties. The time between the last stamping operation and the subsequent heat treatment must not exceed 12-15 hours. There are 5 tables and 6 figures.

✓

Card 3/4

MEDVEDEV, B.P.; Chilikin, M.G.; Sukomel, A.S.; Solov'yev, I.I.; Sirotinskiy, L.I.;
Bel'kind, L.D.; Fedoseyev, A.M.; Grudinskiy, P.G.; Ul'yanov, S.A.; Venikov, V.A.;
Soldatkina, L.A.; Vasil'yev, A.A.; Rozanov, G.M.; Anisimova, N.D.

Professor A. A. Glazunov. On His 60th Birthday and 30th Year of Scientific
Pedagogical, Engineering, and Society Activity. Elektrichestvo, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

MEDVEDEV, B. P., Engr

"Transient Processes in Synchronous Motors During Repeated Three-Short Circuiting." Cand Tech Sci, Moscow Order of Lenin Power Engineering Institute V. M. Molotov, 19 Nov 54. (VM, 9 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

Medvedev, B. P.

AID P - 2815

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 4/30

Author : Medvedev, B. P., Kand. of Tech. Sci., Moscow

Title : Simplified calculation of transient phenomena in a synchronous machine

Periodical : Elektrichestvo, 6, 19-24, Je 1955

Abstract : The author presents simplified algebraic terms for the calculation in engineering practice of a series of transients which emerge with the changes of voltage on the stator terminals and on the rotor rings, provided that the three-phase symmetry of the system is not upset. Such transient phenomena occur during three-phase shorts (including automatic reclosure), voltage recovery, field failure, self-starting of electric motors, etc. The terms for calculation obtained permit computing relationships between resistances acting in the rotor circuits. One

AID P - 2815

elektrichestvo, 6, 19-24, Je 1955

ard 2/2 Pub. 27 - 4/30

numerical example. 4 diagrams, 4 Soviet references
(1938-1952).

stitution : Moscow Power Engineering Institute im. Molotov

ubmitted : Ja 3, 1955

SOKOLOV, N.I., kandidat tekhnicheskikh nauk; ~~MEDVEDEV~~, B.P., kandidat tekhnicheskikh nauk; UL'YANOV, S.A., kandidat tekhnicheskikh nauk.

"Operation of asynchronous electric motors" by I.A.Syromiatnikov.
Reviewed by N.I.Sokolov, B.P.Medvedev, S.A.Ul'ianov. Elektrichest-
vo no.1:95-96 Ja '57. (MLBA 10:2)

1. Kafedra "Elektricheskiye stantsii" Moskovskogo Energeticheskogo
instituta im.Molotova.
(Electric motors, Induction) (Syromiatnikov, I.A.)

MEDVEDEV, B.P., kand. tekhn. nauk

Saturation effect of the magnetic system in the lateral axis of a
salient-pole synchronous machine. Izv. vys. ucheb. zav., energ. no. 8:53-58
Ag '58. (MIRA 11:11)

1. Moskovskiy ordena Lenina energeticheskii institut.
(Electric machinery, Synchronous--Magnetic properties)

MEDVEDEV, B.P., kand.tekhn.nauk, dotsent; MALYSHEVA, N.I., kand.tekhn.nauk,
assistent

Problem of the electric driving of sewing machines. Nauch.trudy
MTILP no.23:240-247 '61. (MIRA 15:9)

1. Kafedra elektrotekhniki Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti.
(Sewing machines--Electric driving)

MALYSHEVA, N.I., kand. tekhn. nauk, assistant; MEDVEDEV, B.P., kand.
tekhn. nauk, dotsent

Electric driving of domestic sewing machines. Nauch. trudy
MTILP 25:210-214 '62. (MIRA 16:8)

1. Kafedra elektrotekhniki Moskovskogo tekhnologicheskogo
instituta legkoy promyshlennosti.

MALYSHEVA, N.I., kand. tekhn. nauk, kandidat; VELIKOV, . . ., kand. tekhn. nauk, dotsent

Modern foreign electric drive for mining machines. Izv. VNIIT. no.27:299-306. 1964.

Electric control of winding machines. Izid.:307-313

1. Kafedra elektrotekhn. i elektromekhan. i elektrodinamiki
Instituta legkoy promyshlennosti.

MEDVEDEV, R.P., kand. tekhn. nauk, dotsent; MALYSHEVA, N.I., kand. tekhn. nauk, ispolnyayushchiy obyazannosti dotsenta; SPICHKIN, Ye.G., student

Results of the testing of the electric driving of 22-A and Class 97 sewing machines. Nauch. trudy MTILP no.30:314-319 '64.

(MIRA 18:6)

1. Kafedra elektrotekhniki Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

S.A. MEDVEDEV, B.S.

sect. A

Optics · Spectra

339,343 : 339,372 : 340.7
 1499. Electron and vibration levels of the benzene molecule and crystal. V. L. BACHUR, B. S. MEDVEDEV AND A. P. PAKHOMOV. *Zh. Eksp. Teor. Fiz.*, 21, 665-72 (No. 6, 1951) in Russian.
 A comparison of the absorption and fluorescence spectra of a crystal with vapour spectra, and with absorption spectra of benzene in alcohol and dioxane. In the crystal were found molecular states corresponding to the gas-phase ones, as well as pure crystalline states, giving a double series of strongly polarized lines. A correlation with the weakly polarized series leads to information about the direction of scattering of light vibration in the crystal relative to the crystal axis.
 J. JACOBI

GOLUBEVA, M.S.; MEDVEDEV, B.S.

Ternary reciprocal system consisting of lithium and nickel
chlorides and sulfates. Zhur.neorg.khim. 7 no.11:2600-2603
N '62. (MIRA 15:12)

(Fused salts)
(Systems (Chemistry))

PROTSSENKO, P.I.; MEDVEDEV, B.B.

System Na, Ca//NO₂, NO₃. Dokl. Akad. Nauk. 3 no.12:2737-2740 1968.
(MIRA 17-8)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

MEYER, J.S.; RUTENBERG, J.I.

System II, Ca // NO₂, NO₃. Jour. re. ag. zain.
Ag 16A.

1. Kozlovskiy-na-Dom. gosudarstv. zap. 1961.

PROTSENKO, P.I.; MEDVEDEV, B.S.

System Rb, Ca
O '64.

NO₂, NO₃. Zhur. neorg. khim. 9 no.10:2438-2440
(MIRA 17:12)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

PROTSENKO, P.I.; MEDVEDEV, B.S.

Reciprocal systems of the series M, Ca NO_2 , NO_3 . Zhur.

neorg.khim. 10 no.8:1906 Ag '65.

(MIRA 19:1)

1. Submitted June 25, 1964.

PROTSENKO, P.I.; MEDVEDEV, B.S.

Certain physicochemical properties of saturated solutions of the
system $\text{Ca}(\text{NO}_2)_2\text{-Ca}(\text{NO}_3)_2\text{-H}_2\text{O}$ at 25°C . Zhur.prikl.khim. 38
no.3:676-680 Mr '65. (MIRA 18:11)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted
June 9, 1964.

PROTSSENKO, P.I.; MEDVEDEV, B.S.

Some properties of saturated solutions in the system
 $\text{HbNO}_2 - \text{Ca}(\text{NO}_2)_2 - \text{H}_2\text{O}$ at 25°C . Zhur. fiz. khim. 39

no.9:2304-2306 8 '65.

(MIRA 18:10)

L. Rostovskiy-na-Donu gosudarstvennyy universitet.

Medvedev, B. V.
Averbah, V. L., and Medvedev, B. V. On the theory of quantized space-time. Doklady Akad. Nauk SSSR (N.S.) 64, 41-44 (1949). (Russian)

The authors investigate the theory of quantized space-time proposed by H. S. Snyder [Physical Rev. (2) 71, 38-41 (1947); these Rev. 8, 412]. They regard the method of Snyder as essentially a consideration of the group of motions of a hypersphere in five-space, and from this standpoint explain the arbitrariness in his choice of momentum operators as associated with the well-known arbitrariness in the definition of "distance" in a space of constant curvature. They point out that Snyder's scheme can be obtained uniquely if one imposes certain conditions on the coordinate operators. They also set up a more general scheme, of which Snyder's is a special case, and find that the former, like the latter, is not invariant under translations. The assumption of commuting coordinates is found to lead to results essentially equivalent to those of the usual quantum theory.

The authors treat the field equations considered by Snyder [Physical Rev. (2) 72, 68-71 (1947); these Rev. 8, 608] by introducing new variables in the space of which ("the wave-equation space") the equations take on their usual form. However, in this space point charges are found to have extended charge distributions, leading to differences from the usual theory. N. Rosen (Chapel Hill, N. C.).

Source: Mathematical Reviews,

Vol. 10 No. 8

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
1149 THE PROBLEM OF MANY BODIES IN THE QUANTIZED SPACE-TIME. V. L. Averbakh and B. V. Medvedev. <i>Zhur. Ekspit. i Teoret. Fiz.</i> 20, 82(1950) Jan. (Letter to the editor; in Russian) In a previous paper (<i>Doklady Akad. Nauk S.S.S.R.</i> 64, 41 (1949; NSA abstract 3-2363) the authors gave an interpretation of Snyder's (<i>Phys. Rev.</i> 71, 38(1947)) theory of quantized space for the case of one body interacting with a field. It is shown here that their interpretation can be applied to the problem of many bodies.																																																			
ASB-55A METALLURGICAL LITERATURE CLASSIFICATION																																																			
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Medvedev, B. V., Bonč-Brujevič, V. L., and Medvedev, B. V. On the invariant construction of a quantum theory of fields. Doklady Akad. Nauk SSSR (N.S.) 74, 681-684 (1950). (Russian)

Dirac [Rev. Modern Physics 21, 392-399 (1949); these Rev. 11, 409] has investigated the most general possible form of a classical relativistic dynamics describing a system of localizable fields. In this paper the corresponding general form is determined for a theory of relativistic fields quantized according to Bose statistics, but dropping the condition of localizability. The formulae defining such a general theory are complicated and involve many arbitrary functions. This was to be expected, since all kinds of nonlocal interactions must be included as special cases of the general formulae.

R. J. Dyson (Birmingham).

Source: Mathematical Reviews.

Vol. 12 No. 6

Small

MEDVEDEV, B.V.

USSR/Physics - Quantum Mechanics

Apr 52

"Invariant Construction of the Field Quantum Theory. II," V. L. Bonch-Bruyevich B. V. Medvedev, Inst of Chem Phys, Acad Sci USSR

"Zhur Eksper i Teoret Fiz" Vol XXII, No 4, pp 425-435

By means of an app previously developed by N. N. Bogolyubov and the authors, they prove the int contradiction of localized variants of quantum relativistically invariant theory of arbitrarily interacting scalar fields. Indebted to N. N. Bogolyubov. Received 5 Jul 51.

21979

MEDVEDEV, B. V.

USSR/Nuclear Physics - Nuclear

Dec 52

"Scattering and Absorption of High-Energy Nucleons," V. I. Gol'danskiy, A. I. Lyubimov, and B. V. Medvedev

"Uspekhi Fiz Nauk" Vol 48, No 4, pp 531-584

Review recent literature and data on the scattering and absorption of nucleons, accelerated to several hundreds of Mev. Also discuss data on cosmic rays. Review will be continued in next issue. 86 references are appended, including 10 Soviet (A. Akhiezer, I. Pomeranchuk; D. I. Blokhintsev; I. Shmushkevich; V. Ya. Faynberg, Ye. L. Feynberg; V. I. Gol'danskiy; F. A. Cherenkov (1934-1937); I. Ye. Tamm and I. M. Frank (1940); V. L. Ginzburg (1940); A. A. Sokolov (1940)).

PA 242T97

MEDVEDEV, B. V.

USSR

39. The bringing of the product of operators to canonical form in the theory of second quantization. V. L. BONCH-BRUYICH AND B. V. MEDVEDEV. *Zh. eksper. teor. Fiz.*, 25, No. 4(10) 410-16 (1953) in Russian.

In applying the method of second quantization to a number of problems [Abstr. 2166, 6210 (1951), 3075, 7923 (1952)] it was necessary to consider operators, consisting of a product of a number of creation and annihilation operators. The bringing of the product of 2 such operators to canonical form (all elementary creation operators to the left of all annihilation operators) is necessary, e.g. in the evaluation of commutators. This question has been discussed by Wick [Abstr. 853 (1950)], but in the present paper the explicit formulae for the coefficients which achieve the transformation are derived, both for bosons and fermions. It is mentioned that the method can be generalized to the case when the non-vanishing commutators or uncommutators of the elementary creation and annihilation operators are functions more general than the usual δ -functions.

W. J. SWIATECKI

Medvedev, B.V.
HEISENBERG, W.; MEDVEDEV, B.V. [translator]; GUROV, K.P., redaktor;
NIKIFOROVA, A.N., tekhnicheskiiy redaktor

[Theory of atomic nuclei] Teorija atomnogo iadra. Perevod s
nemetskogo B.V.Medvedeva. Moskva, Izd-vo inostrannoi lit-ry,
1953. 155 p. [Microfilm] (MLRA 7:10)
(Nuclei, Atomic)

MEDVEDEV, B. V.

USSR/Nuclear Physics - High-Energy Nucleons

Jan 63

"Scattering and Absorption of High-Energy Nucleons," V. I. Goldanskiy, A. L. Lyubimov, and B. V. Medvedev

Usp Fiz Nauk, Vol 49, No 1, pp 3-47

Sequel to a review of present knowledge of nuclear cross sections for high-energy neutrons and for elastic scattering and inelastic collisions. Authors present theoretical consideration of interaction of nucleons with nuclei and absorption of nucleons and their connection with cosmic rays. Sixty-seven references, almost all US, are appended. The first part of this review appeared in 1952 (Usp Fiz Nauk, Vol 43, No 4; with 96 references).

PA 254T97

MEDVEDEV, B. V.
USSR/Physics

Card 1/1 Pub. 22 - 8/54

Authors : Medvedev, B. V.

Title : ~~Regarding the question on the unitariness of the S-matrix in the quantum theory of a field with non-local interaction~~

Periodical : Dok. AN SSSR 100/3, 433-435, Jan. 21, 1954

Abstract : The theory of a field with non-local interaction which leads to the construction of the S-matrix is analyzed. This analysis shows that the S-matrix would be a unitary one of at least to the 4-th order. The analysis also revealed the unexpected fact, that the unitariness of the S-matrix could be obtained only after the zero charge had been eliminated. Seven references: 2 Danish, 3 USA, 1 Dutch and 1 English (1949-1950).

Institution : Acad. of Scs., USSR, V. A. Steklov Mathematical Institute

Presented by: Academician N. N. Bogolyubov, September 24, 1954

MEDVEDEV, B. V.

USSR/ Physics

Card 1/ 2 Pub. 22 - 10/46

Authors : Medvedev, B. V.

Title : On the construction of a matrix of dispersion in the quantum theory of a field with non-localized interaction

Periodical : Dok. AN SSSR 103/1, 37-40, Jul 1, 1955

Abstract : The question on the unitariness of the matrix of dispersion in the quantum theory of the field with nonlocalized interaction is considered. The method of direct construction of the matrix of dispersion (S) is described in connection with the above mentioned problem. It is based on the following conditions: a) the conformity with the classical theory; b) the relativistic invariances; c) the unitariness of the $S(g)$ $\bar{S}(g) = 1$ and d) the causality

$$\frac{\delta}{\delta g(x)} \left(\frac{\delta S(g)}{\delta g(y)} \right) \bar{S}(g) = 0$$

Institution : The Acad. of Sc., USSR, The Mathematical Institute imeni V. A. Steklov

Presented by: Academician N. N. Bogolyubov, December 30, 1954

Card 2/2 Pub. 22 - 10/46

Periodical : Dok. AN SSSR 103/1, 37-40, Jul 1, 1955

Abstract : if $x \leq y$; the sign $\leq$ means "later" or a spacial resemblance.
Twelve references: 2 Dan., 1 Ital., 1 Swiss, 3 USA and 4 USSR
(1946-1954).

REDALDEY, P.Y.

"Construction of a Dispersion Matrix in the Quantum Theory of a Field With Non-local Interaction." Cand Phys-Math Sci, Mathematics Inst Lenni V.A. Staklov, Acad Sci USSR, Moscow, 1955. (KL, No 15, Apr 55)

30: Sup.No. 304, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

Medvedev, B. V.

Medvedev, B. V. On the unitarity of the S-matrix in the
~~vacuum~~ theory of a field with nonlocal interaction.
 Dokl. Akad. Nauk SSSR (N.S.) 100 (1955): 433-435.
 (Russian)
 It was found by C. Hayashi [see the paper reviewed
 above] that the S-matrix of a field-theory with a con-
 ventional extended-source interaction becomes non-
 unitary when calculated by perturbation theory as far as
 terms in g^4 . The author here states that the non-unitary
 term in g^4 arises only from the unobservable vacuum-
 current which was included in Hayashi's Lagrangian.
 If the Lagrangian is correctly anti-symmetrized to remove
 the ~~vacuum-current effect~~, the non-unitary term also
 becomes identically zero. F. J. Dyson (Princeton, N.J.).

1 - F/W

MEDVEDEV, B.V.

BONCH-BRUYEVICH, V.L.; MEDVEDEV, B.V. (Moscow)

Albert Einstein, 1879--1955. (Obituary) Fiz. v shkole 15 no.4:89-
90 J1-Ag '55. (MIRA 8:10)

(Einstein, Albert, 1879-1955)

ABRAMOV, A.A., redaktor; BOLTYANSKIY, V.G., redaktor; VASIL'YEV, A.M., redaktor; MEDVEDEV, B.V., redaktor; MYSHKIS, A.D., redaktor; NIKOL'SKIY, S.M., otvetstvennyy redaktor; POSTNIKOV, A.G., redaktor; PROKHOROV, Yu.V., redaktor; RYBNIKOV, K.A., redaktor; UL'YANOV, P.L., redaktor; USPENSKIY, V.A., redaktor; CHETAYEV, N.G., redaktor; SHILOV, G.Ye., redaktor; SHIRSHOV, A.I., redaktor; SIMKINA, Ye.N., tekhnicheskiiy redaktor

[Proceedings of the all-Union Mathematical Congress] Trudy tret'ego vsesoiuznogo Matematicheskogo s"ezda; Moskva iyun'-iul' 1956. Moskva, Izd-vo Akademii nauk SSSR. Vol.2. [Brief summaries of reports] Kratkoe sodержanie obzornykh i sektiionnykh dokladov. 1956. 166 p. (MLRA 9:9)

1. Vsesoyuznyy matematicheskiiy s"yezd. 3, Moscow, 1956. (Mathematics)

ABRAMOV, A.A., redaktor; BOLTYANSKIY, V.G., redaktor; VASIL'YEV, A.M., redaktor; MEDVEDEV, B.V., redaktor; MYSHKIS, A.D., redaktor; NIKOL'SKIY, S.M., otvetstvennyy redaktor; POSTNIKOV, A.G., redaktor; PROKHOROV, Yu.V., redaktor; RYBNIKOV, K.A., redaktor; UL'YANOV, P.L., redaktor; USPENSKIY, V.A., redaktor; CHETAYEV, N.G., redaktor; SHILOV, G.Ye., redaktor; SHIRSHOV, A.I., redaktor; SIMKINA, Ye.N., tekhnicheskikh redaktor

[Proceedings of the third All-Union mathematical congress] Trudy tret'ego vsesoiuznogo matematicheskogo s'ezda. Moskva, Izd-vo Akademii nauk SSSR. Vol.1. [Reports of the sections] Sektsionnye doklady. 1956. 236 p. (MLRA 9:7)

1. Vsesoyuznyy matematicheskiy s'yezd. 3rd Moscow, 1956. (Mathematics)

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1966
 AUTHOR MEDVEDEV, B.V.
 TITLE On the Construction of the Scattering Matrix. I.
 The Integral Condition of the Causality in the Method developed
 by BOGOLJUBOV.
 PERIODICAL Zurn.eksp.1 teor.fis, 31, fasc.5, 791-802 (1956)
 Issued: 1 / 1957

Within the framework of BOGOLJUBOV'S method the present work investigates a causality condition which, in the author's opinion, permits a more simple and more natural construction of the scattering matrix. Besides, the newly introduced causality condition offers the essential advantage that it can be generalized with comparative ease for the nonlocal theory. For the study of this theory the non-Hamiltonian method is of the greatest interest.

The integral condition of causality: As now the scattering matrix is sought in form of a functional to be obtained by integration over several domains of space and time, it is natural that the possible forms of the time-ordered state of the four-domains serve as a basis. Four logical possibilities for the respective arrangement of the two domains are demonstrated. Furthermore, the relations of the mathematical formulation of the causality condition are explained. This condition is called "integral condition of causality". Next, the integral condition of causality is expressed by operator functions. The integral condition of causality is imposed upon the matrix $S(g)$ itself, whereas the corresponding differential condition is imposed upon the variation derivatives of

Žurn.eksp.i teor.fis, 31, fasc.5, 791-802(1956) CARD 2 / 2

PA - 1966

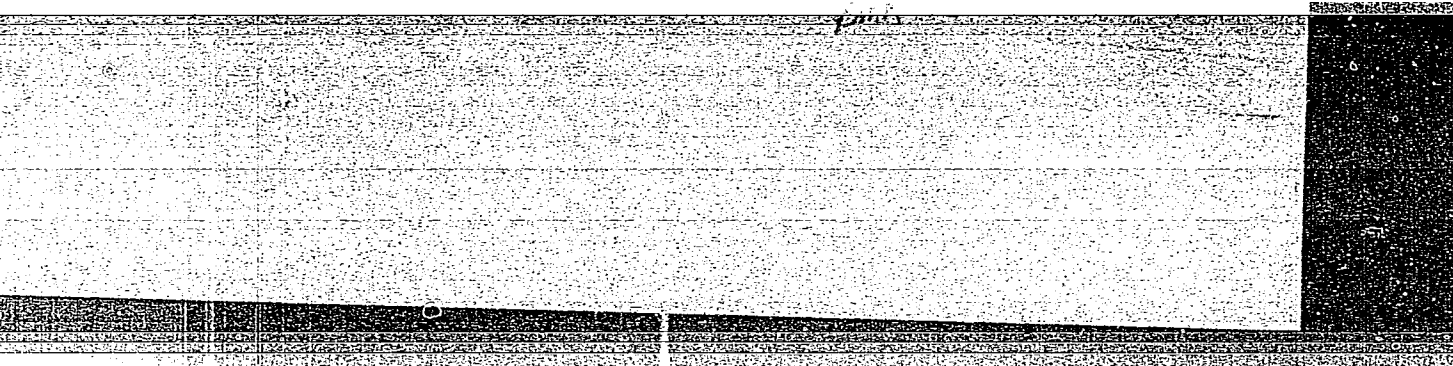
$S(g)$. Therefore the author looks upon the integral condition of causality as more natural if the theory is developed on the basis of the direct construction of the scattering matrix. Next, the connection with the differential condition is discussed. The differential condition of causality follows from the integral condition.

Next, it is shown that various conditions imposed upon the scattering matrix are compatible with one another. Thus, it is necessary that, in order to warrant relativistic invariance, the operator functions of the two spatial point totalities commute. The question is also investigated as to the manner in which the relations resulting from the integral condition of causality are connected with the condition of unitarity. From the compatibility of the conditions there follows immediately the existence of the scattering matrix $S(g)$. The shape of the scattering matrix: In conclusion it is shown that the here described method for the construction of the scattering matrix leads in a natural manner to the determination of the explicit expressions for the coefficients of the functions S_n and also to a simple closed formula for $S(g)$.

INSTITUTION: Mathematical Institute of the Academy of Science in the USSR.

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APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033220014-5"

MEDVEDEV B.V.

3424

ON THE CONSTRUCTION OF THE SCATTERING MATRIX

1. INTEGRAL CAUSALITY CONDITION IN BOGOLIUBOV'S

METHOD. B. V. Medvedev (Academy of Sciences, USSR).
Soviet Phys. JETP 4, 671-80(1957) June.

An integral causality condition is formulated in Bogoliubov's method for the construction of the scattering matrix. Starting from this method, the compatibility of the conditions imposed on the scattering matrix and the existence theorem for the matrix are demonstrated; the scattering matrix is obtained in explicit form for the local theory. (auth)

Dist: 4E3d

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ON THE CONSTRUCTION OF THE SCATTERING MATRIX.
II. THE THEORY WITH NON-LOCAL INTERACTION.

N. N. Bogoliubov (Academy of Sciences, USSR). Soviet
Phys. JETP 5, 48-57 (1957) Aug.

N. N. Bogoliubov's method for constructing the scattering
matrix is generalized to the case of a theory with nonlocal
interaction. For such a theory, a scattering matrix is
constructed which satisfies the physically necessary re-
quirements. (auth)

AUTHOR	MEDVEDEV, B.V.	PA - 2063
TITLE	On the Construction of the Scattering Matrix.II. The Theory with Non-local Interaction (K postroeniju matricy rassejanija.II. Teorija c nelokal'nym vzaimodejstviem).	
PERIODICAL	Zhurnal Eksperimental'noi i Teoret. Fiziki, 1957, Vol 32, Nr 1 pp 87-98 (U.S.S.R.)	
ABSTRACT	Received 3/1957	Reviewed 4/1957
	The present work generalizes N.N. BOGOLJUBOV's method for the construction of the scattering matrix for the case of the theory with nonlocal interaction. Work is here based on the demands A to D (see first part of this paper, Zhurn.Eksp.i Teor.Fiz. 31,791, 1956) which are imposed upon the scattering matrix. Like in the local case, a real Lagrangian of interaction is used for the explicit description of connecting and disconnecting interaction. The conditions of the agreement with the classical theory and relativistic invariancy are of course transferred to the non-local theory with practically no alterations. Also with the formulation of the unitarity conditions no new moments occur. With the condition of causality it is different, because a classical causal condition in a formal sense cannot be agreed to in the nonlocal theory for essentially physical reasons (E.g. form factor). Instead of the demands of formal causality such demands must apparently be complied with in the nonlocal theory as guarantee the realization of the principle of causality for macroscopic distances (in contrast to the elementary length). Renouncing a strict causal condition, an attenuated condition, the condition of quasi-causality is now formulated. This is to prevent by all	

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